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## CLAIMS

1. Probe to detect the level of a liquid, particularly water, within a boiler, particularly in a small electric household appliance, characterised in that it comprises a probe plug, provided at the bottom with a joint for coupling with the boiler body, a metallic disc element for the electric contact, a metallic spring, provided on said probe plug, and in contact with said metallic disc, and the upper part of which contacts said spring, and means for supplying said probe and/or transmitting the signal to an electric board, coupled with said metallic disc.

2. Probe according to claim 1, characterised in that said joint is comprised of Teflon®.

3. Probe according to one of the preceding claims, characterised in that said metallic disc is coupled with the probe plug by screws or rivets, or by overprinting.

4. Probe according to one of the preceding claims, characterised in that said spring is a substantially U- shaped spring. Straddled on the probe plug, possibly housed in a suitable seat, and having foot contacting said metallic disc.

5. Probe according to one of the preceding claims, characterised in that it is provided a metallic contact, preferably a spring, exiting from the housing of the boiler and contacting with said metallic disc.

6. Probe to detect the level of a liquid, particularly water, within a boiler, particularly in a small electric household appliance, according to each one of the preceding claims, substantially as illustrated and described.